

Product Data Sheet

Product Name: p32 Inhibitor M36

Cat. No.: GC36833

Chemical Properties

Cas. No. 802555-85-7

SMILES O=C(NCCCCNC(NC1=CC=CC(C2=NCCN2)=C1)=O)NC3=CC=CC(C4=NCCN4)=C3

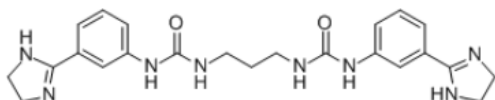
Formula $C_{23}H_{28}N_8O_2$ M.Wt 448.52

Solubility DMSO: 5 mg/mL (11.15 mM; ultrasonic and warming and heat to 80°C) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

p32 inhibitor M36 (M36) is a p32 mitochondrial protein inhibitor, which binds directly to p32 and inhibits p32 association with LyP-1[1]. p32[1]

p32 Inhibitor M36 inhibits SF188 glioma cells proliferation (IC₅₀ of 77.9 μM in complete media) and is much more potent under low glucose conditions with an IC₅₀ of 7.3 μM[1]. p32 Inhibitor M36 is

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selective for p32 overexpressing cells[1].p32 Inhibitor M36 is also a potent inhibitor of patient-derived neurospheres with an IC₅₀ of 2.8 μ M[1].

[1]. Yenugonda V,et al. A novel small molecule inhibitor of p32 mitochondrial protein overexpressed in glioma. J Transl Med. 2017 Oct 18;15(1):210.

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